

Berkeley Town Hall Meeting Solutions to Global Warming Crisis

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Asked to Talk About

- State Initiatives
- Provisions of AB 32
- Implementation Process
- What Law Will/Won't Do

Governor's Policy

- Climate change is real
- Stop GHG emissions growth
- Return to 1990 baseline by 2020
- Cut emissions 80% more by 2050
- Use regulations, market measures, policy signals and incentives
- Link up with rest of nation and world

Other State Initiatives

- Low Carbon Fuel Standard
- Solar Roof Initiative
- Renewable Portfolio Standard (33%)
- Legal Defense of ARB Car Regulations
- 5-State MOU
- International Agreements

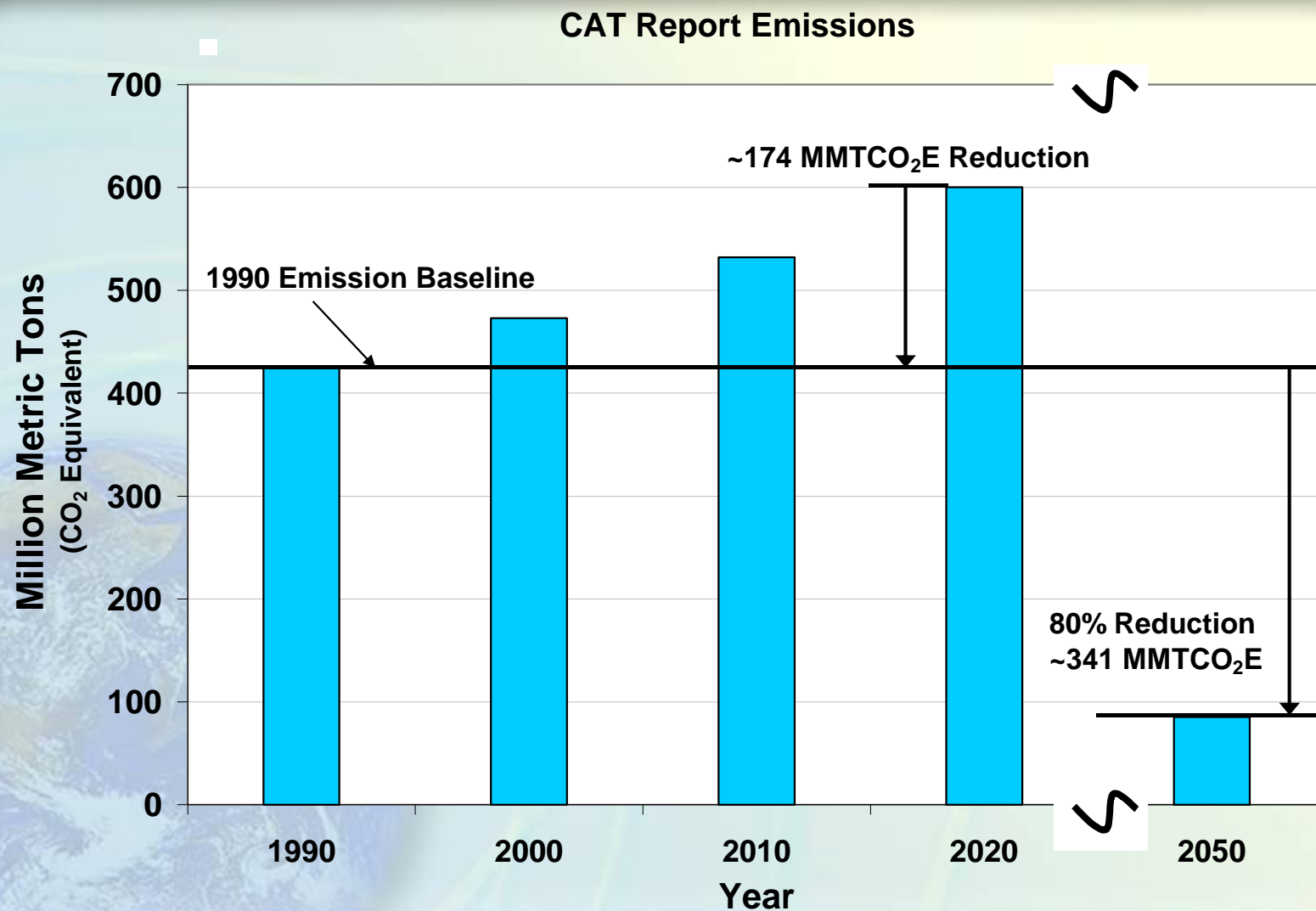
AB 32, Nuñez/Pavley

The Global Warming Solutions Act

- Locked in 2020 emission target
- Put ARB in the driver's seat
- Requires comprehensive plan
- Requires discrete early actions
- Requires mandatory GHG reporting
- Requires major rulemakings by 2011
- Allows market measures
- Two advisory committees

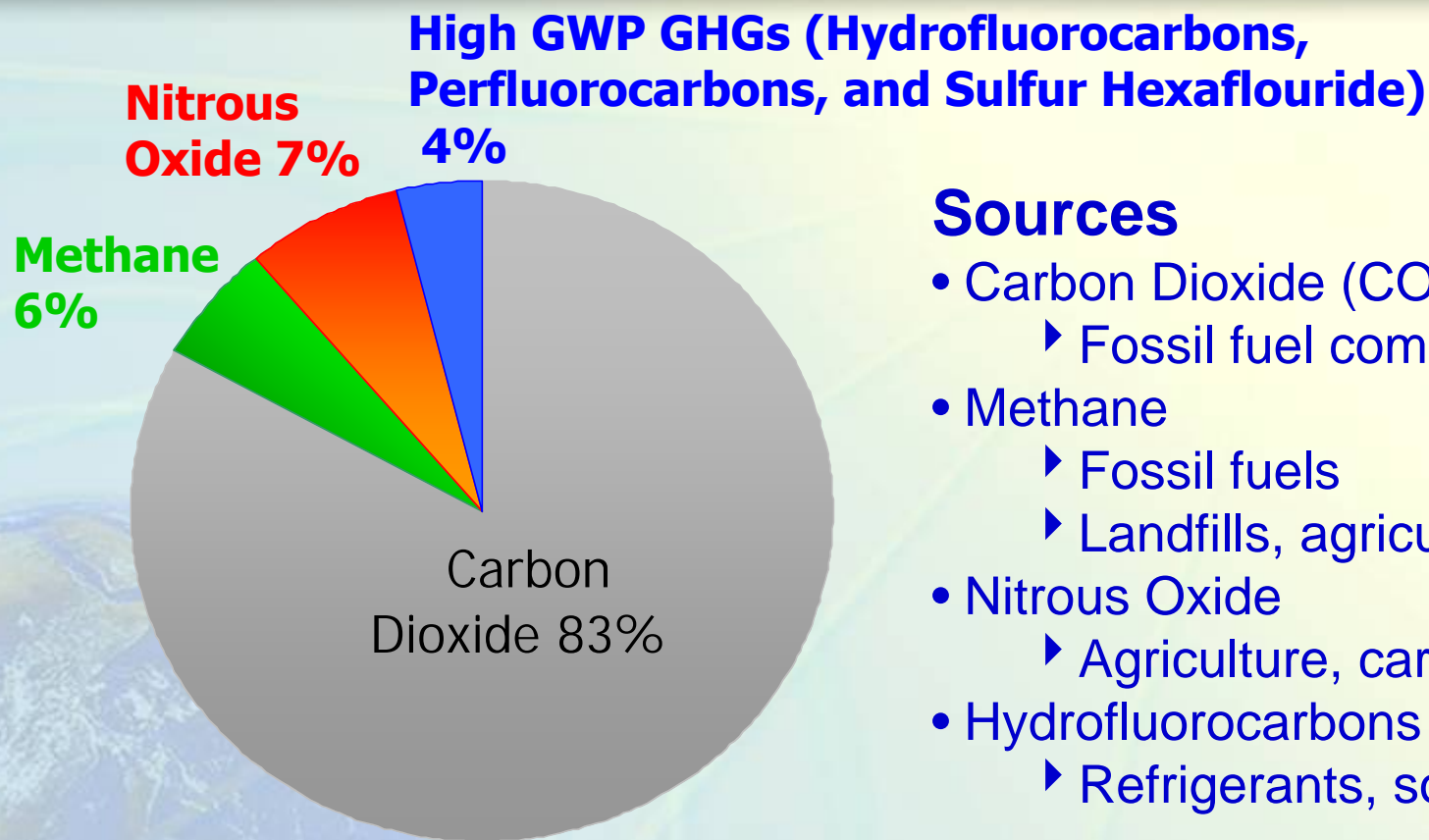
Magnitude of the Challenge

California's GHG Emission Inventory



California's GHG Emissions

Pollutant Shares (2002)



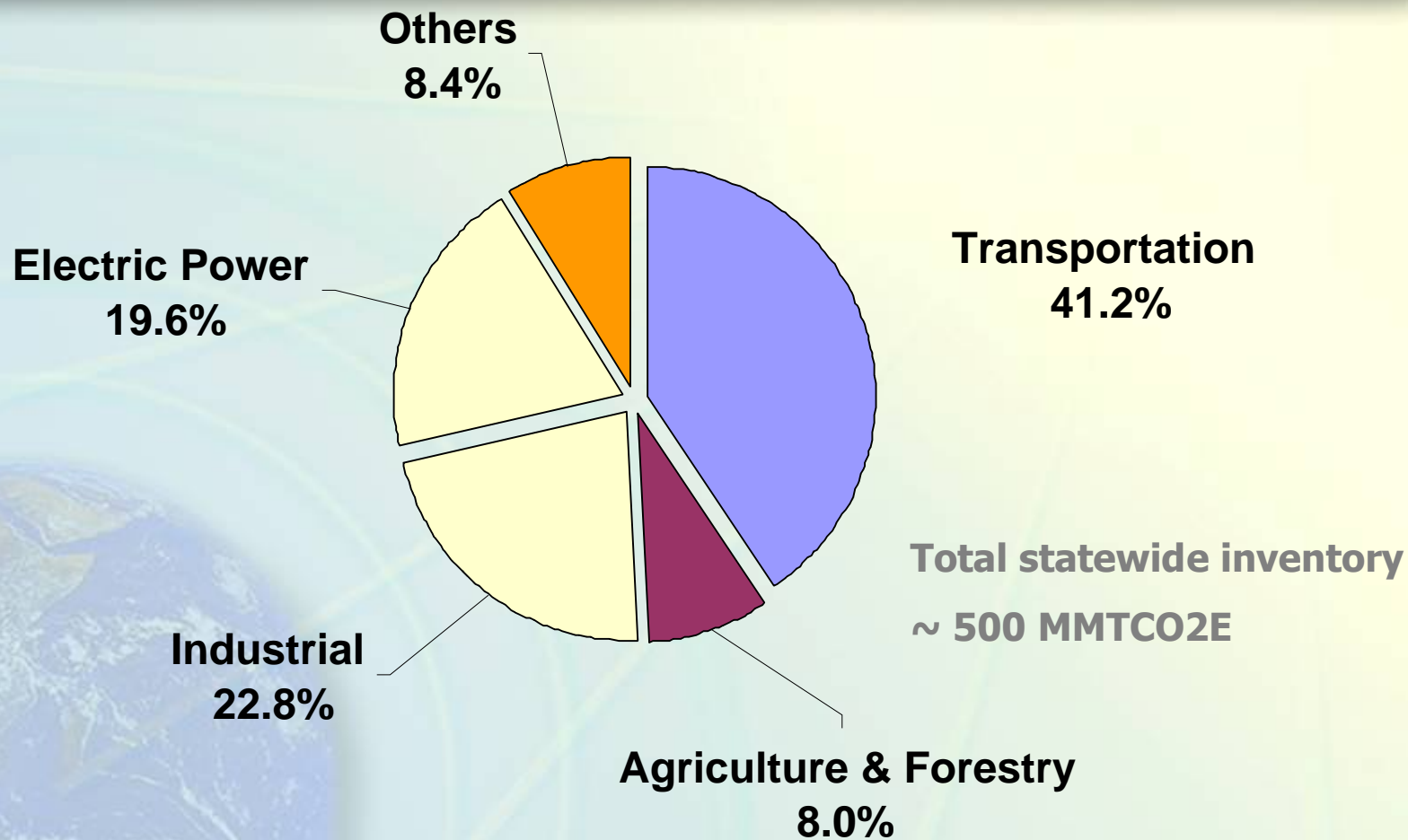
Sources

- Carbon Dioxide (CO₂)
 - Fossil fuel combustion
- Methane
 - Fossil fuels
 - Landfills, agriculture
- Nitrous Oxide
 - Agriculture, cars
- Hydrofluorocarbons
 - Refrigerants, solvents

Source: California Energy Commission, June 2005 (CO₂-equivalents)

California's GHG Emissions

Source Contributions (2002)



Source: March 2006 CAT Report, adapted from CEC, 2005

Potential Reductions by 2020

(Source: 2006 Climate Action Plan)

Vehicles and fuels	41 MMT	24%
Forestry	33 MMT	19%
Land Use/Transportation	27 MMT	16%
Energy Efficiency	21 MMT	12%
Other Utility Measures	19 MMT	11%
Renewable Portfolio Standard	14 MMT	8%
Waste Management	6 MMT	3%
Other, Miscellaneous	13 MMT	7%
TOTAL	174 MMT	100%

Source: March 2006 Climate Action Team Report

Implementation Process

- Early action measures (2007)
- Comprehensive plan (2008)
- Develop/adopt emission reduction measures (2007-2012)
- Public outreach & education (ongoing)
- Target achieved (2020)

What's Left?

- State action is essential but...
- Individual actions matter
- Local government actions matter, especially land use decisions
- Australia's "The Power of One"

Thank You

